

2-2.22 Planting and Irrigation Plans, Details, and Quantities

General

Acronyms, symbols and abbreviations as shown on Standard Plans A10A, A10B, A10C, A10D, H1, H2 ES-1A, ES-1B, and ES-1C are to be used to prepare the planting and irrigation plan sheets.

If highway planting work is a separate project (not part of a highway construction project) and high risk underground utilities are within the areas to be landscaped, their horizontal locations must be shown on the planting plans.

If highway planting work is a part of a highway construction project, and high risk underground utilities are within the areas to be landscaped, the high risk underground utilities are to be shown on the project utility plan sheets.

Planting Plans

Planting plans provide a visual representation in plan view of the planting work in relation to the highway facilities. The base mapping for the project layout sheets is typically used as the background for the planting plans. The base mapping information should be shown in dropped out format and the proposed planting is shown with solid lines.

Existing plant materials, as a single plant or as groupings, shall appear as dropped out or dashed. Work to be performed on existing plant material shall be shown by symbol or described by text.

Proposed planting, hardscape (additional pavement, rock blanket, etc.), or inert materials (mulches) shall be shown with a symbol on the planting plans (with quantity callouts). Additional information should be included on the Plant List and Planting Specifications sheet.

The proposed planting is to be separated into container size groupings or areas of cuttings or seedlings of individual plant species identified by their abbreviated botanical name along with the quantity of each.

The legend for the planting plan sheets shall be shown on the Plant List and Planting Specifications sheet.

When a highway planting project is not part of a roadway construction project, the planting plan may also contain the following items of work:

- Extended gore paving and paving of narrow areas
- Maintenance vehicle pullouts
- Walk and drive gates
- Maintenance access roads

If no planting work or other work is to be performed within the limits of a planting plan base sheet, do not include that sheet as part of the project. Use break lines in place of match lines between deleted sheets. The number of project planting plan sheets may not be the same as the number of irrigation plan sheets.

Planting Details

In the event, the details shown in the standard plans do not fit a particular situation for planting work, special details for the particular situation shall be included in the landscape detail sheets.

If the detail required for the project is a modification or combination of two standard plan details, then it shall be shown as a special modified detail on the landscape detail sheets and so identified. Sufficient information shall be provided for the modified detail so that the quantities involved are calculable.

Planting Quantities

Planting quantities shall be summarized on the Plant List and Planting Specifications sheets.

Irrigation Plans

Irrigation plans provide a visual diagrammatic representation in plan view of the irrigation work in relation to the highway facilities. The base mapping for the project layout sheets is typically used as the background for the irrigation plans with the proposed planting (without plant names or quantities) all shown as dropped out. The dropped out delineation of proposed planting on the irrigation plans is preferred but not required. The proposed irrigation work is shown with solid lines.

Irrigation plans typically show the following items:

- Water sources and electrical service locations
- Irrigation main and lateral lines, valve locations shown diagrammatically
- Sprinkler heads at proposed locations
- Control and neutral conductors per Landscape Architecture PS&E Guide
- Controllers
- Irrigation Crossovers

All irrigation facilities shall be shown with standardized symbols located in the Caltrans Cell Library (ctcellib.cel).

If no irrigation work or other work is shown to be performed within the limits of a irrigation plan base sheet, do not include that sheet as part of the project plans. Use break lines in place of match lines between deleted sheets. The number of project irrigation plan sheets may not be the same as the number of planting plan sheets.

Irrigation Details

In the event, the details shown in the standard plans do not fit a particular situation for irrigation work, special details for the particular situation shall be included in the landscape detail sheets.

If the detail required for the project is a modification or combination of two standard plan details, then it shall be shown as a special modified detail on the landscape detail sheets and so identified. Sufficient information shall be provided for the modified detail so that the quantities involved are calculable.

Irrigation Quantities

If highway planting work is a separate project (not part of a highway construction project), the components of the irrigation systems shall be summarized on the irrigation quantities sheets.

If highway planting work is a part of a highway construction project, irrigation quantities sheets are not included in the project plans.

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